

paid for at the Contract unit price per each for the type specified in the Contract Documents. The payment will be full compensation for all transportation, installation, reconnection to fixed objects where necessary, complete clearing and removal of debris and damaged unsalvageable parts, and for all material, labor, equipment, tools, and incidentals necessary to construct the end treatment to the configuration specified in the Contract Documents or as directed by the Engineer.

- (c) Payment will not be made for spare parts packages used for end treatments damaged due to the Contractor's operations as determined by the Engineer.

606.04.06 The application of fusion bonded brown polyester coating, as well as all special handling, will not be measured but the cost will be incidental to the item to which the coating is applied.

SECTION 607 — CHAIN LINK FENCE

607.01 DESCRIPTION. This work shall consist of furnishing and erecting chain link fence as specified in the Contract Documents or as directed by the Engineer.

607.02 MATERIALS.

Concrete Mix No. 2	902.10
Fence Fabric	914.01
Tie Wires, Line Post Clips, Tension Wires and Tension Wire Clips	914.02
Posts, Braces, Fittings and Hardware	914.03
Gates	914.04
Barbed Wire	914.05

607.02.01 Type. The height and type of fence shall be as specified in the Contract Documents. When the type of fence is not specified, one of the following types may be used:

- (a) Galvanized steel and malleable iron components.
- (b) Galvanized steel fabric utilizing galvanized steel posts or aluminum line posts.
- (c) Aluminum coated steel fabric utilizing galvanized steel line posts.
- (d) Aluminum coated steel fabric utilizing aluminum line posts.

- (e) Bonded vinyl coated fabric utilizing galvanized steel or galvanized bonded vinyl coated steel line posts and fittings.
- (f) Bonded vinyl coated fabric utilizing aluminum line posts.

607.03 CONSTRUCTION.

607.03.01 General Requirements. The Contractor's activities and operations shall be confined to the area immediately adjacent to the right-of-way lines and within the right-of-way except that permission may be granted by the Engineer for normal construction activities through lands owned by or under control of the Administration.

In areas where any privately owned fence or other property is within the Administration's right-of-way, the Contractor shall remove the items and place them on the owner's property as directed by the Engineer. The Contractor shall be held responsible for any damage to privately owned items removed.

Fence lines specified in the Contract Documents are only a guide and the exact location of the fence shall be determined in the field by the Engineer.

The bottom of the fabric shall be placed a nominal distance of 1 in. above the groundline. A maximum clearance of 6 in. will be permitted for a maximum horizontal distance of 8 ft except for special conditions as specified in the Contract Documents.

Any excavation or backfill required to comply with the above clearance shall be as approved by the Engineer. Fence fabric shall be placed on the roadside of the posts. For storm water management ponds, the fabric shall be placed on the outside of the posts or the side farthest from the pond.

The fence shall be true and taut.

All posts shall be plumbed and spaced as uniform as practicable to the spacing specified in the Contract Documents with a tolerance of minus 2 ft.

Terminal posts shall be installed at all ends, abrupt changes in grade and at changes in the horizontal alignment over 15 degrees. The maximum distance between terminal posts shall be 500 ft.

Post lengths shall accommodate the fabricated width of the fence fabric without stretching or compressing the fabric and provide the required spacing below the bottom of the fabric.

Post caps are required for all round line, terminal, and corner posts.

A tension wire shall run continuously between terminal posts near the top and bottom of the fabric and attached to the fabric with hog ring fasteners at 18 in. intervals.

Horizontal brace rails with diagonal truss rods and turn buckles shall be installed at all terminal posts. Sufficient braces shall be supplied to permit complete bracing from each terminal post to all adjacent line posts.

Fabric shall be tied to brace rails at 2 ft maximum intervals and to posts at 12 in. maximum spacing. Stretcher bars shall be attached to terminal posts by connectors equally spaced at 16 in. maximum centers. Top and bottom connectors shall be as close as possible to the ends of the fabric.

607.03.02 Anchorage for Line Posts and Terminal Posts. All posts shall be plumb. The Contractor shall select the type of anchorage system from the following except when rock is encountered only the concrete method shall be used.

Rock. Where rock is encountered at a depth less than that specified for the footing, a hole 1 in. larger than the greatest dimension of the post shall be drilled to a depth of 12 in. or the planned footing depth, whichever is less. After the post has been set, the remainder of the drilled hole shall be filled with grout composed of one part portland cement and two parts mortar sand by dry loose volume. The space above the rock shall be filled with concrete. The anchor unit method is prohibited in rock areas, where all posts shall be set in concrete.

Concrete Method. Posts shall be centered in the concrete footings. The concrete shall be thoroughly compacted around the post by rodding or vibrating. The finished top surface shall be troweled to a smooth finish slightly above the groundline and uniformly sloped to drain away from the post. The post shall not be disturbed within the 72 hours after the individual post footing is completed.

Hand mixed concrete shall not be used unless otherwise approved by the Engineer. When permitted, the maximum size of the hand mixed batch shall be $1/2 \text{ yd}^3$.

Drive Anchor Blade Method. Drive anchor blades consist of two steel blades driven diagonally through galvanized steel fittings attached to opposite sides of the posts. After being driven into the ground, the post shall be held rigidly upright by means of a drive anchor blade unit. The approximate spread of the blades at their full depth shall be 39 in. The top of the device shall be a minimum of 3 in. below the finished grade.

The anchor unit device and procedure shall be as approved by the Engineer.

Each line post shall be anchored by one of these units and each terminal post shall be anchored by two units spaced approximately 6 in. apart. Each drive anchor blade unit for the terminal post shall be driven in a direction to offset the stresses caused by the tension of the fence.

607.04 MEASUREMENT AND PAYMENT. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

The removal of privately owned fence or other property from within the Administration's right-of-way will not be measured but the cost will be incidental to the Contract lump sum price for Clearing and Grubbing.

When an item for Clearing and Grubbing is not specified in the Contract Documents, clearing and grubbing will not be measured but the cost will be incidental to the Contract unit price for the pertinent Chain Link Fence item.

607.04.01 Chain Link Fence will be measured and paid for at the Contract unit price per linear foot for the actual number of linear feet measured to centers of end posts.

607.04.02 Terminal Posts (End, Pull and Corner Post) will be measured and paid for at the Contract unit price per each for the size and type specified.

607.04.03 Gates will be measured and paid for at the Contract unit price per each as complete units of the size and type specified.

SECTION 608 — WHEEL STOPS

608.01 DESCRIPTION. This work shall consist of furnishing, placing, and anchoring preformed wheel stops as specified in the Contract Documents or as directed by the Engineer.

608.02 MATERIALS.

Concrete Mix No. 2	902.10
Reinforcement Steel	908.01
Recycled Composite Material	
Wheel Stops	As specified by the manufacturer